

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

App. No. : (Nat'l Stage of PCT/JP2003/003482)
Applicant : Yoshifumi Kachi, et al.
Filed : On even date herewith
Tech. Cntr./Art Unit : (To be assigned)
Examiner : (To be assigned)

Docket No. : 39.025-AG
Customer No. : 29453

Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

This constitutes an Information Disclosure Statement pursuant to 37 C.F.R. §§ 1.97 and 1.98. The documents listed on the accompanying Form PTO/SB/08A are hereby brought to the Examiner's attention in the patent application identified above.

REMARKS

Cite Nos. F1 and F2, listed on Form PTO/SB/08A submitted herewith, were cited in the International Search Report for PCT/JP2003/003482, of which the presently submitted patent application is to be the National Stage. A copy of the Search Report is attached.

Furthermore, among the presently submitted references listed on Form PTO/SB/08A, Cite No. F3 is not in English.

**Concise Explanation of Relevance/Copy of Translation
Pursuant to 37 C.F.R. § 1.98(a)(3)**

The entire "Background Art" section of the specification in the present application amounts to a concise explanation of the relevance of Cite No. F3.

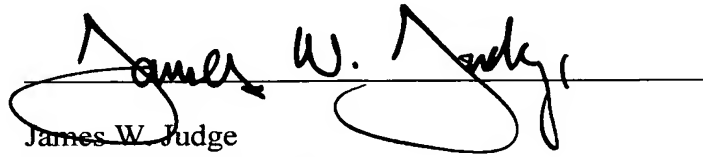
Nat'l. Stage of Int'l. App. No. PCT/JP2003/003482
IDS Submission dated June 30, 2004

In addition, an English abstract of Cite No. F3 is available, and a copy of the corresponding abstract is attached to the front of the reference. (Note that Cite No. F3 is a published Japanese *examined* patent application. Nevertheless, the English abstract for Cite No. F3 is taken from the published corresponding *unexamined* patent application.)

The Examiner is respectfully requested to consider these references, to indicate so on the accompanying Form PTO/SB/08A, and to make the document of record in the present application.

Respectfully submitted,

June 30, 2004


James W. Judge
Registration No. 42,701

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	(To be assigned)
				Filing Date	March 20, 2003 [371(c) date]
				First Named Inventor	Yoshifumi Kachi
				Art Unit	(To be assigned)
				Examiner Name	(To be assigned)
Sheet	1	of	1	Attorney Docket Number	39.025-AG

U.S. PATENT DOCUMENTS					
Examiner Initials ⁷	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	U1	US-5,231,690	07-27-1993	Soma et al.	
		US-			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials ⁷	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
	F1	WO-99/56307-A1	11-04-1999	Applied Materials, Inc.		
	F2	EP-1-189-274-A1	03-20-2002	IBIDEN CO LTD		
	F3	JP-H06-028258-B2	04-13-1994	NGK INSUALTORS LTD		✓

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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